

Purpose is to see how long it takes for yeast to transfer things different to of SAP.

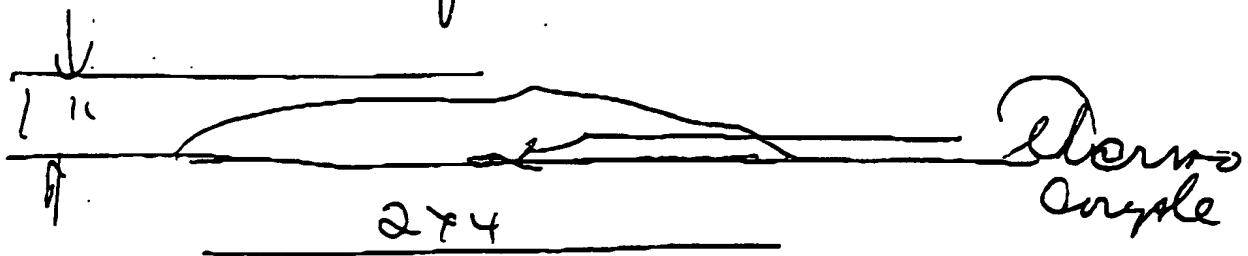
Added weights of 7%
Used bottled H2O from drinking dispenser of Sipi

Time increase of

1%	40 sec
2%	1 min 20 sec.
5%	2 min +
8%	2 min +
10%	2 min +
12%	2 min +
15%	2 min +

Not + mass did not increase
temp

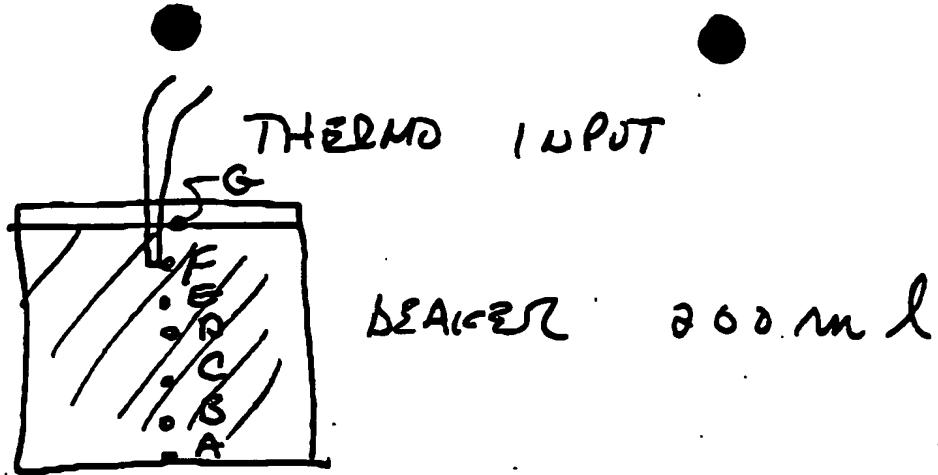
Repeated burn experiment with 5 different SA samples. Do not know info of SA. They were supplied to Tech for diaper test.



Dermo Crysle	Temp
21°C	15 sec
21.5	30 "
22.2°C	45 "
24.6	60 "
27.5	75 "
30.1	90 "
33.2	105 "
36.7	120 "
38°C	

15 sec
30 "
45 "
60 "
75 "
90 "
105 "
120 "

Repeat has different temperature
Very sensitive to location/feeder
Blow torch - Max temp
Linen 45°C



Liquid Hg / SA (just before being a slurry).

Slurry heated for 15 minutes.

A	98 °C
B	60 °C
C	22 °C
D	21 °C
E	21 °C
F	21 °C
G	21 °C

Slurry heated for 30 minutes

A	98 °C
B	97 °C
C	96 °C
D	28 °C
E	27 °C
F	23 °C
G	21 °C

a 40 °C (movement)

20 ml of antifreeze replaces 20 ml of Hg in slurry.

Slurry heated for 15 minute

A	99 °C
B	93 °C
C	94 °C
D	29 °C
E	29 °C
F	26 °C
G	21 °C

26 °C 25 °C \leftrightarrow

2% SAP 1 pt

3% "

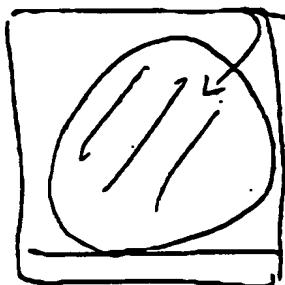
4% "

5% "

Put into cups, sealed & frozen
in freezer of salter's (box).

All evaporation rate of water in
frozen state.

Solvent fire



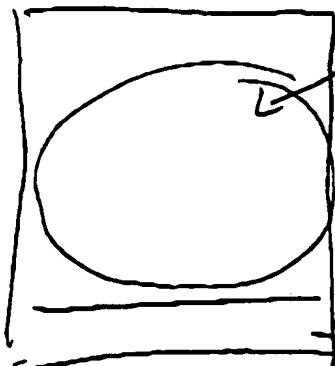
slurry

large coffee can

2 start fluid $\frac{1}{2}$ "

add $\frac{1}{2}$ " slurry SA/H₂O to
solvent & sep to top & burn on top
of slurry.

Septic H₂O + SA (shake up)
foam.

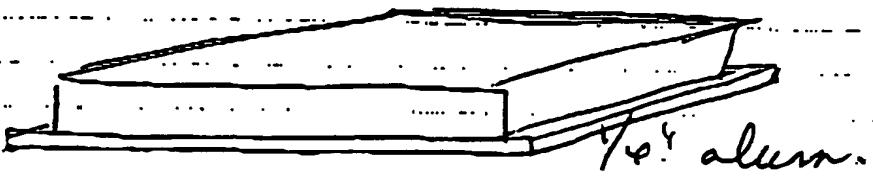


foam + SA slurry

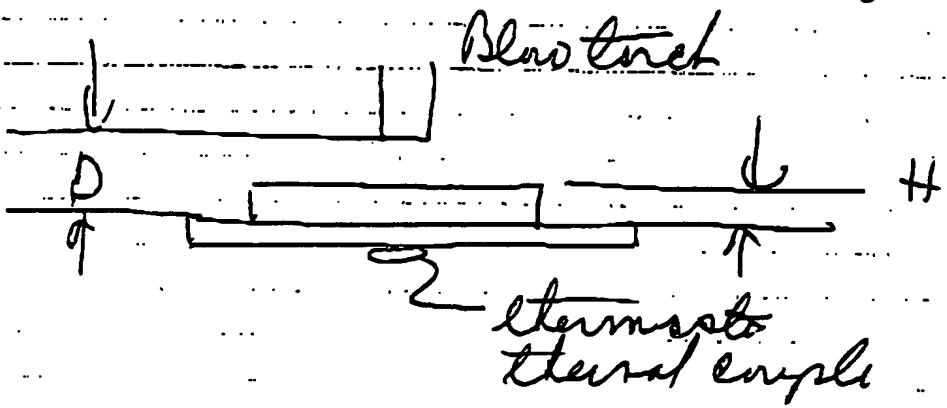
large coffee can

start fluid $\frac{1}{2}$ "

fire was not exsmelatly.



adding different levels of SAP and
to determine thickness / try Charge.



H.

DT after 1 min stabilized
8 minutes seconds.

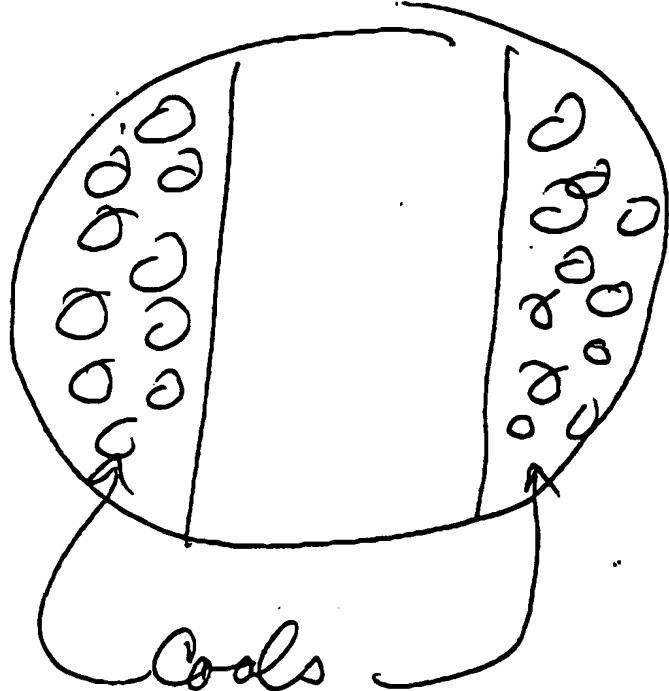
0.1	"
0.2	"
0.3	"
0.4	"
0.5	"
0.6	"
0.7	"
0.8	"
0.9	"
1.0	"

0
0

Need to redefine DT

Barbque grill

Weber Kettle



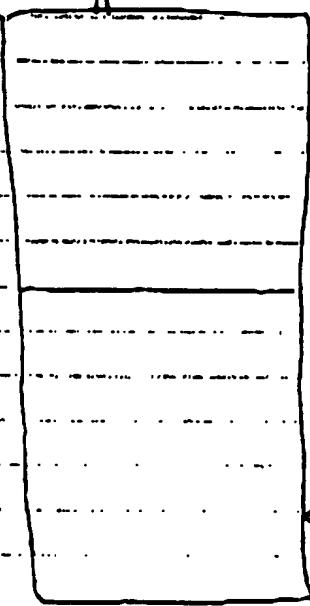
1.

2.

- 1) Tilled to tops Coals brought to cherry red
- 2) Poured 1 liter 4:20 (1/2 liter) on each side on tops of coals Coals removed burning & did go completely to ashes
- 3) SA (light slurry) very liquid.
- 4) Poured 1/2 liter in each side.
- 5) Only area where no slurry. Red coals burn. Others died out. Next day white powder on top of coals.

NOTE: Coals were able to be used again without no other conditioning.

Pump to 80 psi



2 years

fire extinguisher

← 1/2 filled
← 70 sec.

stored to see if it will
activate after 2 years.